

## EAST Search History

EAST Search History (Prior Art) /DC/ - 10/18/2010

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---|------------------|---------|---------------------|
| S1    | 1     | DE-4032660-\$.did.  | EPO;<br>DERWENT                                       | OR               | ON      | 2009/02/11<br>10:58 |
| S2    | 1     | 1992-133253.NRAN.   | DERWENT   | OR               | ON      | 2009/02/11<br>10:58 |
| S3    | 49439 | (Hahnle-H\$ Haehnle-H\$ Suzuki-H\$ Ito-K\$ Itoh-K\$ Hiuga-S\$).in.  | EPO;<br>DERWENT                                       | OR               | ON      | 2009/02/11<br>11:02 |
| S4    | 1     | S3 and (polyvinylamine polyvinylformamide) and (filler pigment (calcium adj carbonate) (titanium adj dioxide))                  | EPO;<br>DERWENT                                       | OR               | ON      | 2009/02/11<br>11:03 |
| S5    | 4     | S3 and (vinylamine) and (filler pigment (calcium adj carbonate) (titanium adj dioxide))   | EPO;<br>DERWENT                                       | OR               | ON      | 2009/02/11<br>11:05 |
| S6    | 2     | EP-331047-\$.did.   | EPO;<br>DERWENT                                       | OR               | ON      | 2009/02/11<br>11:08 |
| S7    | 9238  | (Hahnle-H\$ Haehnle-H\$ Suzuki-H\$ Ito-K\$ Itoh-K\$ Hiuga-S\$).in.  | US-PGPUB;<br>USPAT; USOCR                             | OR               | ON      | 2009/02/11<br>11:29 |
| S9    | 12    | S7 and (vinylamine polyvinylamine polyvinylformamide) and (filler pigment (calcium adj carbonate) (titanium adj dioxide))       | US-PGPUB;<br>USPAT; USOCR                             | OR               | ON      | 2009/02/11<br>11:30 |
| S10   | 1     | S9 and ((fixing adj agent) fixative)  | US-PGPUB;<br>USPAT; USOCR                             | OR               | ON      | 2009/02/11<br>11:31 |
| S12   | 33    | (polyvinylamine polyvinylformamide) and (filler pigment (calcium adj carbonate) (titanium adj dioxide)) and (ash adj content)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2009/02/11<br>11:39 |
| S13   | 28    | S12 and ((calcium adj carbonate) (titanium adj dioxide))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2009/02/11<br>11:41 |
| S14   | 12    | S13 and (fixing adj agent)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2009/02/11<br>11:42 |
| S15   | 375   | ((titanium adj \$2oxide) (calcium adj carbonate)) and ((india adj paper) (tipping adj paper) ((gypsum wallboard) near3 facing)) | US-PGPUB;<br>USPAT; USOCR                             | OR               | ON      | 2009/02/11<br>13:29 |
| S16   | 390   | ((titanium adj \$2oxide) (calcium adj carbonate)) and ((india adj paper) (tipping adj paper) ((gypsum wallboard) near3 facing)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2009/02/11<br>13:29 |
| S17   | 1     | S15 and (vinylamine polyvinylamine polyvinylformamide) and (retention fix fixative fixing)                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2009/02/11<br>13:29 |

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| S18 | 2    | S15 and (vinylamine polyvinylamine polyvinylformamide)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/02/11<br>13:29 |
| S19 | 17   | ((titanium adj \$2oxide) (calcium adj carbonate)) and (india adj paper)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/02/11<br>13:30 |
| S20 | 18   | ((titanium adj \$2oxide) (calcium adj carbonate)) with (tipping adj paper)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/02/11<br>13:30 |
| S21 | 14   | ((calcium adj carbonate) (titanium adj \$2oxide)) with filler ) and (base adj paper) and (decorative adj laminate)                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/02/11<br>13:31 |
| S22 | 210  | (162/139).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2009/02/11<br>13:40 |
| S23 | 3439 | (162/158,168.2,181.1,181.4,185).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2009/02/11<br>13:40 |
| S24 | 30   | S22 and S23  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/02/11<br>13:40 |
| S25 | 2    | ((("5008321") or ("6184310"))).PN.   | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2009/08/25<br>11:25 |
| S26 | 1503 | (vinylamine polyvinylamine polyvinylformamide) and (retention fix fixative fixing) and (filler pigment (calcium adj carbonate) (titanium adj dioxide))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/08/25<br>14:45 |
| S27 | 39   | (vinylamine polyvinylamine polyvinylformamide) same (retention fix fixative fixing) same (filler pigment (calcium adj carbonate) (titanium adj dioxide)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/08/25<br>14:45 |
| S28 | 430  | polyvinylamine with (cationic adj polymer)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/12/11<br>17:14 |
| S29 | 202  | polyvinylamine near6 (cationic adj polymer)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/12/11<br>17:14 |

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| S32 | 5   | polyvinylamine with (cationic adj polymer) with "pH"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2009/12/11<br>17:22 |
| S33 | 1   | ("20070107864").PN.   | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2010/05/14<br>16:06 |
| S34 | 2   | ((("6083348") or ("6303002"))).PN.  | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2010/05/15<br>09:00 |
| S35 | 2   | WO-9954145-\$.did.  | EPO;<br>DERWENT                                       | OR | ON  | 2010/05/15<br>12:55 |
| S36 | 17  | ((conventional typical) with (papermaking ((made making) near2 paper)) with deposit\$3 with (wire surface substrate)) and ((stock furnish suspension) same retention same filler) | US-PGPUB;<br>USPAT; USOCR                             | OR | ON  | 2010/05/15<br>14:57 |
| S37 | 223 | Trokhan-\$.in.  | US-PGPUB;<br>USPAT; USOCR                             | OR | ON  | 2010/05/15<br>14:58 |
| S38 | 197 | S37 and (papermaking (making adj paper))  | US-PGPUB;<br>USPAT; USOCR                             | OR | ON  | 2010/05/15<br>14:59 |
| S39 | 52  | (typical with amount with filler with paper) and (filler with ((titanium adj doxide) (calcium adj carbonate)))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/05/15<br>15:10 |
| S40 | 165 | (retention adj aid) near5 filler near10 fiber   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/05/15<br>16:42 |
| S41 | 2   | EP-331047-\$.did.   | EPO;<br>DERWENT                                       | OR | ON  | 2010/10/16<br>16:10 |
| S42 | 4   | ((("5171808") or ("5274055"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2010/10/16<br>16:20 |
| S44 | 3   | ((("3639208") or ("6455661") or ("20040250972"))).PN.   | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2010/10/16<br>20:11 |
| S45 | 1   | ("6083348").PN.   | US-PGPUB;<br>USPAT; USOCR                             | OR | OFF | 2010/10/18<br>07:12 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------|------------------|---------|------------------|
| S46   | 20   | (Hahnle-H\$ Haehnle-H\$ Suzuki-H\$ Ito-K\$ Itoh-K\$ Hiuga-S\$).in. | UPAD | OR               | ON      | 2010/10/18 06:12 |
| S47   | 0    | S46 and vinylamine   | UPAD | OR               | ON      | 2010/10/18 06:13 |

10/ 18/ 2010 10:07:56 AM

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